



**OPERATING PERMIT (Conditional Major) Issued Pursuant to Tennessee Air Quality Act**

Date Issued:

Permit Number:

456670

Date Expires: March 1, 2013

Issued To:

Installation Address:

Ford Construction Company

2353 Highway 104 West  
Dyersburg

Installation Description:

-01: 400 TPH Asphalt Plant, Drum  
w/Baghouse Control  
-02: 200 TPH Asphalt Plant,  
Rotary Mixer, Baghouse, Bins & Silos  
Modification: Upgraded Source 01 from  
300 TPH & added associated equipment

Emission Source Reference No.

23-0014

NSPS

The holder of this permit shall comply with the conditions contained in this permit as well as all applicable provisions of the Tennessee Air Pollution Control Regulations.

**General Condition:**

1. The applications that were utilized in the preparation of this permit are dated **May 8, 2003** and signed by **Calvin Lambert**, Superintendent of the permitted facility. If this person terminates his employment or is reassigned different duties such that he is no longer the responsible person to represent and bind the facility in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification shall be in writing and submitted within thirty (30) days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the facility in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

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TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

NON-TRANSFERABLE

**POST AT INSTALLATION ADDRESS**



General conditions in this section apply to the facility unless otherwise noted.

2. The Permittee has elected to opt-out of being issued a major source operating permit pursuant to Division Rule 1200-3-9-.02(11)(a). The Permittee would be considered a major source because their potential to emit sulfur dioxide ( $\text{SO}_2$ ), carbon monoxide ( $\text{CO}$ ) and nitrogen oxide ( $\text{NO}_x$ ) are greater than **100** tons per year each at the time of application. The Permittee has agreed to be subject to limitation(s) in order to be below the major source applicability threshold for  $\text{SO}_2$ ,  $\text{CO}$ , and  $\text{NO}_x$  of **100** tons per year **each**.
3. Any noncompliance with any condition(s) of this permit set to restrain the "potential to emit" below the applicability threshold(s) of 1200-3-9-.02(11) of the Tennessee Air Pollution Control Regulations, shall be reported in writing to the Technical Secretary within fifteen (**15**) working days of such discovery. This notification, at a minimum, shall include the identification of the source, identification of the permit condition(s) violated, and details of the violation.
4. The Permittee is placed on notice that **Conditions 18** and **25** of this operating permit for this source contains a limitation that allows the Permittee to opt-out of the major source operating permit program requirements specified in Division Rule 1200-3-9-.02(11). Failure to abide by these limits will not only subject the Permittee to enforcement action by the State of Tennessee, but it may also result in the imposition of Federal enforcement action by the United States Environmental Protection Agency and the loss of being Federally recognized as a conditional major source.
5. Compliance with **Conditions 18** and **25** assures that the facility will be below the major source applicability thresholds for  $\text{SO}_2$ ,  $\text{CO}$ , and  $\text{NO}_x$  of **100** tons per year **each**.

For Source **23-0014-01** assurance is based on AP 42 Chapter 11, Section 1 (Hot Mix Asphalt Plants, dated **December, 2000**), from which the emission factors were used to calculate emissions as shown below:

Parameter	Based on <del>Drum</del> -Mix type asphalt plant and use of Waste/Recycle Oil for fuel.			
	AP-42 Table	Emission Factor, lb/ton	Emissions without limiting conditions, ton/yr	Emissions with limiting conditions, ton/yr
CO	11.1-7	0.13	<b>227.8</b>	<b>41.6</b>
NO <sub>x</sub>	11.1-7	0.055	<b>96.4</b>	<b>17.6</b>
SO <sub>2</sub>	11.1-7	.058	<b>101.6</b>	<b>18.6</b>

For Source **23-0014-02** assurance is based on AP 42 Chapter 11, Section 1 (Hot Mix Asphalt Plants, pre-December, 2000), and Chapter 1, Section 3 (Fuel Oil Combustion, pre-September, 1998) from which the emission factors were used to calculate emissions as shown below:

Parameter	Based on Rotary-Mixer type asphalt plant and use of Waste/Recycle Oil for fuel.			
	AP-42 Table	Emission Factor, lb/tn	Emissions without limiting conditions, ton/yr	Emissions with limiting conditions, ton/yr
CO	11.1-7	0.13	<b>113.9</b>	<b>20.8</b>
NO <sub>x</sub>	11.1-7	0.055	<b>48.2</b>	<b>8.8</b>
SO <sub>2</sub>	11.1-7	.058	<b>50.8</b>	<b>9.3</b>

6. Should proof of compliance for the pollutant(s) with emission limitation(s) placed on
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this permit be required, the emissions measuring test method(s) and procedure(s) are the following:

<u>Pollutant or Parameter</u>	<u>Testing Methodology</u>
Particulate Matter	EPA Method 5 as published in the current 40 CFR 60, Appendix A
Sulfur Dioxide	EPA Method 6 as published in the current 40 CFR 60, Appendix A
Nitrogen Oxides	EPA Method 7 as published in the current 40 CFR 60, Appendix A
Carbon Monoxide	EPA Method 10 as published in the current 40 CFR 60, Appendix A
Sulfur content of fuels	EPA Method 19 as published in the current 40 CFR 60, Appendix A
Volatile Organic Compounds	EPA Method 25A as published in the current 40 CFR 60, Appendix A

7. Visible emissions from roads and parking areas shall not exhibit greater than ten (10) percent opacity using Tennessee Visible Emissions Evaluation (TVEE) Method 1.

This condition is established pursuant to Rule 1200-3-8-.01(1) of the Tennessee Air Pollution Control Regulations.

8. Fugitive emissions from this source shall be controlled as specified in Rule 1200-3-8-.01. Specifically, no person shall cause, suffer, allow or permit fugitive dust to be emitted in such manner to exceed five (5) minutes per hour or twenty (20) minutes per day as to produce a visible emission beyond the property line of the property on which the emission originates, excluding malfunction of equipment as provided in Chapter 1200-3-20. Fugitive emissions from this source shall be determined by Tennessee Visible Emissions Evaluation Method 4.

This condition is established pursuant to Rule 1200-3-8-.01(2) of the Tennessee Air Pollution Control Regulations.

9. Visible emissions from this facility not covered by **Conditions 7 and 8** shall not exceed twenty (20) percent opacity as determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (6-minute).

This condition is established pursuant to Rule 1200-3-5-.01(1) and -.03(6) of the Tennessee Air Pollution Control Regulations.

10. Routine maintenance, as required to maintain specified emission limits, shall be performed on the air pollution control devices. Maintenance records shall be recorded in a suitable permanent form and kept available for inspection by the Division. These records must be retained for a period of not less than five (5) years.

11. This permit is valid only at this location.

12. The issuance of this permit does not exempt the Permittee from any requirements of the Environmental Protection Agency pertaining to emissions from the operation of this facility.

13. This permit supersedes any previous permit(s) for this source.

14. Excess emissions shall be addressed as specified in Chapter 1200-3-20 of the Tennessee Air Pollution Control Regulations. The control devices shall operate at all times when the processing and handling equipment operates.

15. The Permittee shall apply for renewal of this permit not less than sixty (60) days prior to this permit's expiration date pursuant to the Division Rule 1200-3-9-.02(3).

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23-0014-01: 400 TPH Asphalt Plant with Baghouse Control - NSPS.

16. The stated design capacity of this source is **400** tons per hour of asphalt production. A construction permit must be obtained before modifying the plant so that it can exceed this rate. The Permittee is not required to keep production records to demonstrate compliance with this rate; however, the Technical Secretary may require the Permittee to prove compliance.
17. **Natural gas, No.2** fuel oil, and **Waste/Recycle** oil only shall be used as fuels for this source.
18. Production rate for this source shall not exceed **640,000** tons of asphalt during any interval of 12-consecutive months.
- This limitation is established pursuant to Rule 1200-3-9-.02(11) (a) of the Tennessee Air Pollution Control Regulations and the information contained in the agreement letter from the Permittee dated **(later)**.
19. Particulate matter emissions from this source shall not exceed **0.04** grains per dry standard cubic foot (**11.3** pounds per hour).
- This condition is established pursuant to Rule 1200-3-16-.08(3) of the Tennessee Air Pollution Control Regulations.
20. The sulfur dioxide emissions shall not exceed **18.6** pounds per hour.
- This limitation is established pursuant to Rule 1200-3-14-.01(3) of the Tennessee Air Pollution Control Regulations and the information contained in the agreement letter from the Permittee dated **(later)**.
21. The asphalt plant controlled by the baghouse shall not operate unless the baghouse is in operation. In the event a malfunction/failure of the baghouse occurs, the operation of the asphalt plant controlled by the baghouse shall be regulated by the provisions of Chapter 1200-3-20 of the Tennessee Air Pollution Control Regulations.
22. A written report stating the compliance status of Source **24-0014-01** with **Conditions 17, 18, and 20** shall be submitted by **March 31** of every year beginning in **2004**. This report shall cover the preceding calendar year and shall include the records required by **Condition 30**. This report shall be submitted to the Field Office Manager at the following address:

Jackson Environmental Assistance Center  
Air Pollution Control Division  
362 Carriage House Drive  
Jackson, TN 38305



23-0014-02: 200 TPH Asphalt Plant with Baghouse Control - NSPS.

23. The stated design capacity of this source is **200** tons per hour of asphalt production. A construction permit must be obtained before modifying the plant so that it can exceed this rate. The Permittee is not required to keep production records to demonstrate compliance with this rate; however, the Technical Secretary may require the Permittee to prove compliance.
24. **No.2, No.4**, fuel oils and **Waste/Recycle** oil only shall be used as fuels for this source.
25. Production rate for this source shall not exceed **320,000** tons of asphalt during any interval of 12-consecutive months.
- This limitation is established pursuant to Rule 1200-3-9-.02(11) (a) of the Tennessee Air Pollution Control Regulations and the information contained in the agreement letter from the Permittee dated **(later)**.
26. Particulate matter emissions from this source shall not exceed **0.04** grains per dry standard cubic foot (**5.8** pounds per hour).
- This condition is established pursuant to Rule 1200-3-16-.08(3) of the Tennessee Air Pollution Control Regulations.
27. The sulfur dioxide emissions shall not exceed **9.3** pounds per hour.
- This limitation is established pursuant to Rule 1200-3-14-.01(3) of the Tennessee Air Pollution Control Regulations and the information contained in the agreement letter from the Permittee dated **(later)**.
28. The asphalt plant controlled by the baghouse shall not operate unless the baghouse is in operation. In the event a malfunction/failure of the baghouse occurs, the operation of the asphalt plant controlled by the baghouse shall be regulated by the provisions of Chapter 1200-3-20 of the Tennessee Air Pollution Control Regulations.
29. A written report stating the compliance status of Source **24-0014-02** with **Conditions 24, 25, and 27** shall be submitted by **March 31** of every year beginning in **2004**. This report shall cover the preceding calendar year and shall include the records required by **Condition 31**. This report shall be submitted to the Field Office Manager at the following address:

Jackson Environmental Assistance Center  
Air Pollution Control Division  
362 Carriage House Drive  
Jackson, TN 38305







12-CONSECUTIVE MONTHS Log for **23-0014-01**[illegible]

\* The “Production for 12-conse. months” amount is the sum of tons in the 11 months preceding the month just completed added to the tons in the month just completed. If data is not available for the 11 months preceding the initial use of this table, this amount will be equal to the amount for “Production.” For the second month it will be the sum of the first month and the second month. Indicate in parentheses the number of months summed [i.e., 50,000 (2) represents 50,000 tons of production in 2 months]

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31. Records of the asphalt production for Source **23-0014-02** on a monthly basis and summarizing asphalt production on a 12-consecutive months basis, in a form that readily shows compliance with **Condition 25**, shall be maintained at the source locations and kept available for inspection by the Technical Secretary or a Division representative. The records shall be in a form that readily provides the information required in the tables below or an alternate format approved by the Technical Secretary in writing. This information shall be retained for a period of not less than five (5) years.

MONTHLY Log for **23-0014-02**

MONTH: \_\_\_\_\_ YEAR: \_\_\_\_\_

Date	Production (ton)	Date	Production (ton)
Monthly Total Production (ton)		_____	

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12-CONSECUTIVE MONTHS Log for 23-0014-02

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(End of Conditions)